

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0013	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
Sutter Maintenance Yard Maintenance Area 0013	M *	41.97				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.18		0.18	0.43%	PO Miles	CO Miles
Erosion / Bank Caving	0.46	0.36	1.90	4.53%		
USACE Erosion Survey	0.36		0.36	0.86%		
<i>LMA Totals:</i>	1.00	0.36	2.44	5.81% *	0.00	0.00
Unit No. 01 Cherokee Canal	Overall Unit Rating	Total Unit Miles				
	A	18.87				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.06		0.06	0.32%	PO Miles	CO Miles
<i>Unit Totals:</i>	0.06	0.00	0.06	0.32%	0.00	0.00
Unit No. 02 Cherokee Canal	Overall Unit Rating	Total Unit Miles				
	M	23.10				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.12		0.12	0.52%	PO Miles	CO Miles
Erosion / Bank Caving	0.46	0.36	1.90	8.23%		
USACE Erosion Survey	0.36		0.36	1.56%		
<i>Unit Totals:</i>	0.94	0.36	2.38	10.30%	0.00	0.00

**Flood Control Project Maintenance
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LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles
Unit No. 01 Cherokee Canal			Right	18.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Jason Cooper Sutter Yard	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard Maintenance Area 0013

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Cherokee Canal						Right	18.87	10/28/2009 10/28/2009	Bob Duffey	
LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.50	0.50	Earthen Levee	Encroachments	LS	M	Prunings	39.590928 ° -121.701625 °	39.590928 ° -121.701625 °	1
2	0.67	0.67	Earthen Levee	Encroachments	LS	M	Prunings	39.589110 ° -121.700512 °	39.589110 ° -121.700512 °	2
3	0.76	0.78	Earthen Levee	Encroachments	LS	M	Equipment	39.587905 ° -121.700822 °	39.587505 ° -121.700880 °	12
4	1.46	1.46	Earthen Levee	Encroachments	LS	M	Prunings	39.579203 ° -121.702867 °	39.579203 ° -121.702867 °	15
5	9.85	9.86	Earthen Levee	Encroachments	LS	M	Garbage	39.467077 ° -121.743883 °	39.466857 ° -121.743913 °	7

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles
Unit No. 02 Cherokee Canal			Left	23.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Jason Cooper Sutter Yard	

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard Maintenance Area 0013

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal							Left	23.10	10/28/2009 10/28/2009	Bob Duffey
LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.05	0.15	Earthen Levee	Encroachments	WS	M	Equipment	39.573523 ° -121.701387 °	39.572455 ° -121.702370 °	1
2	4.92	4.99	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	39.527272 ° -121.685973 °	39.526487 ° -121.686888 °	2
3	5.14	5.14	Earthen Levee	Encroachments	WS	M	Garbage	39.526858 ° -121.689360 °	39.526858 ° -121.689360 °	911
4	5.15	5.15	Earthen Levee	Encroachments	WS	M	Garbage	39.526938 ° -121.689597 °	39.526938 ° -121.689597 °	9
5	5.33	5.37	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	39.526077 ° -121.692668 °	39.525747 ° -121.693152 °	10
6	5.37	5.37	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.525743 ° -121.693150 °	39.525743 ° -121.693150 °	11
7	5.48	5.53	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	39.524828 ° -121.694823 °	39.524440 ° -121.695655 °	13
8	5.63	5.71	Earthen Levee	Erosion / Bank Caving	LS	C	Note and monitor erosion site.	39.524328 ° -121.697545 °	39.524170 ° -121.699017 °	14
9	20.74	21.00	Earthen Levee	Trim / Thin Trees	LS	C	Thin trees to allow visibility of the ground and room to flood fight.	39.372680 ° -121.846498 °	39.370758 ° -121.850582 °	4
10	21.71	22.08	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	39.365380 ° -121.861588 °	39.362500 ° -121.867290 °	912
11	21.71	22.07	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: slumping	39.365279 ° -121.861686 °	39.362498 ° -121.867274 °	910
12	21.73	22.05	Earthen Levee	Erosion / Bank Caving	WS	U	Schedule repair of erosion site prior to the next inspection.	39.365228 ° -121.861973 °	39.362673 ° -121.866877 °	5
13	22.75	22.79	Earthen Levee	Erosion / Bank Caving	LS	U	Schedule repair of erosion site prior to the next inspection.	39.357180 ° -121.877755 °	39.356848 ° -121.878467 °	6

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